## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 23 October 2003 (23.10.2003)

**PCT** 

## (10) International Publication Number WO 03/087380 A1

- (51) International Patent Classification<sup>7</sup>: C12N 15/54, 15/09, 15/11, 15/63, 9/10, C07K 16/40, C12N 5/10, A61K 31/711, 31/713, 38/45, 39/395
- (21) International Application Number: PCT/IL03/00317
- (22) International Filing Date: 15 April 2003 (15.04.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

149217 18 April 2002 (18.04.2002) IL 152183 8 October 2002 (08.10.2002) IL

- (71) Applicant (for all designated States except US): YEDA RESEARCH AND DEVELOPMENT CO.LTD [IL/IL]; AT THE WEIZMANN INSTITUTE OF SCIENCE, P.O.BOX 95 (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WALLACH, David [IL/IL]; 24 Borochov Street, 76406 Rehovot (IL). RAMAKRISHNAN, Parameswaran [IN/IL]; Hanasi Harishon 13/7, 76302 Rehovot (IL). SHMUSHKOVICH, Taisia [IL/IL]; 23B Hanassi Harishon Street, 76302 Rehovot (IL).

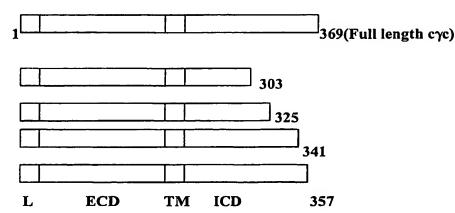
- (74) Agent: EINAV, Henry; INTER-LAB LTD, SCIENCE BASED INDUSTRIAL PARK, KIRYAT WEIZMAN, 76110 NESS ZIONA (IL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

**(54)** Title: DERIVATIVES OF THE NF-KAPPAB INDUCING ENZYME, THEIR PREPARATION AND USE



(57) Abstract: This invention relates to the use of NIK and related molecules for the modulation of signal activities controlled by cytokines, and some new such molecules.

